

APPENDIX E

**San Diego Bay Watershed Management Area—
Initial Receiving Water Quality Conditions Multiple Line of Evidence Assessment**

HA	Initial Water Quality Condition	Potential Stressor(s)	Temporal Extent	Geographic Extent	Determining Factors	Data Gaps		Potentially Responsible Parties											Lines of Evidence				
						Are there gaps in the MS4 data used to characterize contribution to priority water quality condition?	Are there gaps in the RW data used to characterize the priority water quality condition?	Coronado	Chula Vista	County of San Diego	Imperial Beach	Port of San Diego	Lemon Grove	La Mesa	National City	City of San Diego	San Diego Regional Airport Authority	Caltrans	U.S. Navy	1. NPDES Permit-Required Monitoring	2. Regulatory Drivers	3. Public Input and Additional Studies	
Pueblo Watershed																							
908.1	Impairment of EST in the Shelter Island Yacht Basin	Dissolved Copper	Dry, Wet	San Diego Bay 303(d) Listed segment	TMDL, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	NO													✓	✓	✓	
908.1	Impairment of REC-1 at the San Diego Bay Shoreline, Shelter Island Shoreline Park	Bacteria	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	TMDL, Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	NO														✓	✓ ³	
908.1	Potential Impairment of MAR at the Pacific Ocean Shoreline, Sunset Cliffs Natural Park	Erosion	Wet	Pacific Ocean, Sunset Cliffs Natural Park between Hillside Park and Linear Park	Public Input	YES	YES															✓	
908.2	Impairment of WARM in Chollas Creek	Copper and Zinc	Dry, Wet	Chollas Creek 2010 303(d)-Listed segment	TMDL, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	NO			✓		✓	✓	✓							✓	✓	✓ ¹
908.2	Impairment of WARM in Chollas Creek	Lead	Dry, Wet	Chollas Creek 2010 303(d)-Listed segment	TMDL, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	YES	NO			✓		✓	✓	✓							✓	✓	
908.2	Impairment of WARM in Chollas Creek	Diazinon	Dry, Wet	Chollas Creek 2010 303(d)-Listed segment	TMDL, Historic Receiving Water Monitoring, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	NO			✓		✓	✓	✓							✓	✓	
908.2	Impairment of WARM in Chollas Creek	Phosphorus	Dry	Chollas Creek 2010 303(d)-Listed segment	Current and Historic Receiving Water Monitoring, Stressors	NO	NO			✓		✓	✓	✓							✓	✓	

Notes:
 2010 303(d) = 2010 Section 303(d) of the Clean Water Act; MS4 = municipal separate storm sewer system; NPDES = National Pollutant Discharge Elimination System; TMDL = Total Maximum Daily Load
 1. Chollas Creek Water Effects Ratio Study: Provides site-specific objectives based on adjustment to the waterbody-specific water effect ratio for calculation of California Toxics Rule objectives for Dissolved Copper and Dissolved Zinc in Chollas Creek.
 2. Public Input data from Water Quality Improvement Plan Workshop.
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					causing the 2010 303(d) listing unknown and may be MS4 sources																	
908.2	Impairment of WARM in Chollas Creek	Nitrogen	Dry, Wet	Chollas Creek 2010 303(d)-Listed segment	Current and Historic Receiving Water Monitoring, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	NO			✓		✓	✓	✓		✓				✓	✓	
908.2	Impairment of REC-1 in Chollas Creek	Bacteria	Dry, Wet	Chollas Creek 2010 303(d)-Listed segment	TMDL, Current and Historic Receiving Water Monitoring, Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	NO			✓		✓	✓	✓		✓				✓	✓	
908.2	Impairment of REC-2 in Chollas Creek	Trash	Dry, Wet	Chollas Creek 2010 303(d)-Listed segment	Urban runoff/storm sewers listed in 2010 303(d) as a source	YES	NO			✓		✓	✓	✓		✓				✓	✓	✓ ²
908.2	Impairment of MAR at the Mouth of Chollas Creek	PAHs	Dry, Wet	San Diego Bay 2010 303(d)-Listed segment	TMDL, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	YES	NO			✓		✓	✓	✓		✓			✓	✓	✓	
908.2	Impairment of MAR at the Mouth of Chollas Creek	PCBs	Dry, Wet	San Diego Bay 2010 303(d)-Listed segment	TMDL, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	YES	NO			✓		✓	✓	✓		✓			✓	✓	✓	
908.2	Impairment of MAR at the Mouth of Chollas Creek	Chlordane	Dry, Wet	San Diego Bay 2010 303(d)-Listed segment	TMDL, Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	YES	NO			✓		✓	✓	✓		✓			✓	✓	✓	
908.2	Impairment of unknown condition in	Turbidity	Dry	Near monitoring	Stressors causing the	NO	NO			✓		✓	✓	✓		✓				✓	✓	

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	Chollas Creek			station	2010 303(d) listing unknown and may be MS4 sources																					
908.2	Impairment of MAR at the San Diego Bay Shoreline, between Sampson and 28th Streets	Copper	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	YES																			
908.2	Impairment of MAR at the San Diego Bay Shoreline, between Sampson and 28th Streets	PAHs	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	YES																			
908.2	Impairment of COMM at the San Diego Bay Shoreline, between Sampson and 28th Streets	Mercury	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	YES																			
908.2	Impairment of COMM at the San Diego Bay Shoreline, between Sampson and 28th Streets	PCBs	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	TMDL, Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	YES																			
908.2	Impairment of WARM at the San Diego Bay Shoreline, between Sampson and 28th Streets	Zinc	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	Stressors causing the 2010 303(d) listing unknown and may be MS4 sources	NO	YES																			
908.2	Impairment of MAR at the San Diego Bay Shoreline at the Mouth of Switzer Creek	PAHs	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	TMDL, Urban runoff/storm sewers listed in 2010 303(d) as a source	YES	NO																			
908.2	Impairment of MAR at the San Diego Bay Shoreline at the Mouth of Switzer Creek	PCBs	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	TMDL, Urban runoff/storm sewers listed in 2010 303(d) as a source	YES	NO																			
908.2	Impairment of MAR at the San Diego Bay Shoreline at the Mouth of Switzer Creek	Chlordane	Dry, Wet	San Diego Bay Shoreline 2010 303(d)-Listed segment	TMDL, Urban runoff/storm sewers listed in 2010 303(d) as a source	YES	NO																			

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909.1	Impairment of WARM at Lower Sweetwater River, below Sweetwater Reservoir	Phosphorus	Dry	Lower Sweetwater River 2010 303(d)-Listed segment	Current Receiving Water and Outfall Monitoring Data, Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	NO		✓	✓												✓	✓	
909.1	Impairment of WARM at Lower Sweetwater River, below Sweetwater Reservoir	Nitrogen	Dry	Lower Sweetwater River 2010 303(d)-Listed segment	Current Receiving Water and Outfall Monitoring Data, Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	NO		✓	✓												✓	✓	
909.1	Impairment of unknown condition at Lower Sweetwater River, below Sweetwater Reservoir	Trash	Dry, Wet	Near monitoring station	Public Input	YES	YES		✓	✓												✓		✓
909.2	Impairment of unknown condition at Middle Sweetwater River	Bacteria	Dry, Wet	Near monitoring station	Current Receiving Water and Outfall Monitoring Data	NO	NO			✓												✓		
Otay Watershed																								
910.1	Impairment of WARM in Lower Otay Reservoir	Nitrogen	Dry, Wet	Lower Otay Reservoir 303(d)-listed segment	Historic monitoring data, Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	NO			✓												✓	✓	
910.1	Impairment of REC-1 at the Pacific Ocean Shoreline, Otay Valley HA, at Carnation Ave and Camp Surf Jetty	Bacteria	Dry, Wet	Pacific Ocean Shoreline 2010 303(d)-Listed segment	Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	YES	✓														✓	✓	
910.3	Impairment of REC-1 at the San Diego Bay Shoreline, Tidelands Park	Bacteria	Dry, Wet	Pacific Ocean Shoreline 2010 303(d)-Listed segment	Urban runoff/storm sewers listed in 2010 303(d) as a source	NO	YES	✓				✓										✓	✓	

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